

**SECRET**

1. Fusion protein comprising a cellulose binding domain and a domain having a high binding affinity for another ligand.

15 3. Fusion protein according to claim 1, wherein the  
cellulose binding domain is obtainable from Trichoderma  
reesei.

5. Fusion protein according to claim 1, wherein the domain having a high binding affinity is a Heavy Chain antibody as found in Camelidae.

30 7. Fusion protein according to claim 1, wherein the domain  
having a high binding affinity is directed at a Benefit  
Agent.

8. Fusion protein according to claim 1, wherein the domain  
35 having a high binding affinity is directed at a Benefit  
Agent selected from the group consisting of a fabric

softening agents, fragrances, perfumes, polymeric  
lubricants, photoprotective agents, latexes, resins, dye  
fixative agents, encapsulated materials, antioxidants,  
insecticides, soil repelling agents or a soil release  
5 agents.

9. Fusion protein according to claim 1, wherein the domain  
having a high binding affinity is directed at the fabric.
- 10 10. Fusion protein according to claim 1, wherein the domain  
having a high binding affinity is directed at polyester, or  
polyester / cotton, or wool.
11. Fusion protein according to claim 1, wherein the domain  
15 having a high binding affinity is directed at a specific  
part of the fabric.
12. Fusion protein according to claim 1, wherein the  
cellulose binding domain ~~is~~ connected to the domain having a  
20 high binding affinity for another ligand by means of a  
linker consisting of 2-15, preferably 2-5 amino acids.
13. Fusion protein according to claim 1, wherein the domain  
having a high binding affinity is directed at a micro-  
25 particles which are loaded with a benefit agent.
14. Fusion protein according to claim 1, whereby the domain  
having a high binding affinity is a multi-specific antibody  
or antibody fragment or an analogous structure, whereby at  
30 least one specificity is directed to the fabric and the  
others are directed to one or more benefit agents.
15. Detergent composition comprising one or more  
surfactants and a fusion protein according to claim 1.

\*\*\*

**THE UNIVERSITY OF CHICAGO**